

## Product Data Sheet

### Product Description

The **Petro Plate HD Series** consists of NLGI Grades #1 & #2 calcium sulfonate grease in an ISO 220 or ISO 460 base oil. The **Petro Plate HD Series** was designed to outperform conventional products by applying leading edge, proprietary calcium sulfonate manufacturing technology. The **Petro Plate HD Series** is manufactured and formulated to provide excellent high temperature performance with superb adhesion, structural stability, and resistance to water contamination. The **Petro Plate HD Series** has a high level of chemical stability and offers excellent protection against rust and corrosion. The **Petro Plate HD Series** performance features make them ideal choices for severe operating conditions including high temperature, water contamination, high loads, shock loading, and extending re-lubrication intervals.

### Features & Benefits

Excellent protection from extreme pressures caused by shock loading.

Outstanding resistance to water washout.

Superior high-temperature properties.

Extended re-lubrication intervals.

Excellent protection from rust and corrosion.

Environmentally friendly as it does not contain any antimony, barium, chlorine, phosphorus, zinc or free sulfur.

### Product Application

The **Petro Plate HD Series** can be used in Bearings, Bushings, Ladle Turrets, Caster Segments, Work Rolls, and Coiler Mandrels.

The **Petro Plate HD Series** can be applied through all automatic lubrication equipment or manually through a handheld grease gun.

### Notes

The **Petro Plate HD Series** is designed to extend component service life while reducing lubricant consumption. If in doubt regarding the volume and/or frequency of lubricant to a specific lube point, contact a Petron Service Representative.

If you require further information, contact Petron at: [info@petroncorp.com](mailto:info@petroncorp.com).



## Petro Plate HD Series Grease

Property	Method	Typical Data		
		<u>Petro Plate HD 220</u>	<u>Petro Plate HD 460 #1</u>	<u>Petro Plate HD 460 #2</u>
Color	Visual	Tan	Tan	Tan
Base Oil Viscosity @ 40°C, cSt	ASTM D-445	220	460	460
NLGI Grade	ASTM D-217	2	1	2
Dropping Point, °C/°F	ASTM D-2265	316/600	316/600	316/600
Worked Penetration, 60 double	ASTM D-217	285	330	285
4 Ball EP - Weld Point (kg)	ASTM D-2596	500	500	500
Load Wear Index, kg	ASTM D-2596	60	60	60
Bearing Rust Protection	ASTM D1743	Pass	Pass	Pass
Salt Fog Corrosion, 1 mil d.f.t., hrs	ASTM B117	>1000	>500	>500
Bearing Life Performance, hrs	ASTM D3527	130+	100+	100+
Roll Stability, % change	ASTM D1831	<3.0	<3.0	<3.0
Water Washout, % removed	ASTM D1264	<1	<2	<1
Water Spray Off, % removed	ASTM D4049	17.2	<25	10.4
Oil Separation, % loss	ASTM D1742	<0.5	<0.5	<0.5

Testing listed is typical, no warranty is expressed or implied regarding results obtained from use. Information contained on this Product Data Sheet is subject to change without notification. Seller shall not be liable for any loss or damage.